

OCT 18 2004

Our Reference: MPZ-100-A

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Frank Grant
Serial Number: 09/943,784
Filing Date: August 31, 2001
Examiner/Art Group Unit: Niland, Patrick Dennis/1714
Title: HIGH PERFORMANCE FIBER REINFORCED
THERMOPLASTIC RESIN, METHOD AND
APPARATUS FOR MAKING THE SAME

DECLARATION OF JAMES H. ZWENG

I, James Zweng, state the following:

1. I have reviewed above-identified Application and am qualified to make the following statements in this matter.
2. Based upon the facts set forth in this Declaration, I believe that I should be added as a co-inventor in this matter.
3. In the course of my employment with Mayco Plastics I was involved in the project relating to manufacture of high performance fiber-reinforced resin. To that end, I secured business from an end user relating to the manufacture of subcomponents using long glass fibers.
4. Prior to Mayco Plastics' involvement in this field, manufacturing methods using long glass fiber reinforcement had not yielded parts having appropriate tensile strength.

5. In order to address this problem, Dr. Frank Grant, a polymer chemist employed by Mayco Plastics, made several recommendations that resulted in increase in tensile strength.

6. After analysis and review, additional increases in tensile strength were still considered valuable and desirable.

7. To achieve material with greater tensile strength, I participated and directed activities that resulted in utilization of injection mold tools that permitted direct injection into the mold cavity. These actions resulted in slight increases in physical properties such as tensile strength. However, the material still evidenced a lack of good distribution of long unbroken fibers in the polymeric matrix.

8. The glass fibers used in manufacture were a commodity item that was received as long fiber bundles. I suggested that the glass fibers be preblended with polymers to separate and disperse the fibers in order to preserve fiber length. A vertical ribbon blender was employed for this process. The process initiated the fraying of the glass fiber bundles and even induced some separation. The result was a significant increase in tensile strength in the resulting molded material.

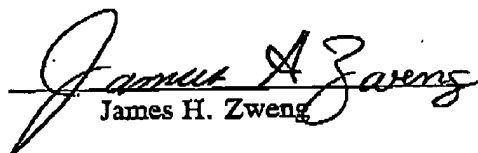
9. I was aware that an application for United States Patent had been filed on some aspect or aspects of the technology. However, it wasn't until I became aware of the Notice of Allowance from the United States and Trademark Office that this Application had been allowed that I raised the question of whether my contribution amounted to inventorship.

10. On or about April 9, 2004, I contacted Mr. Peterson Decker of Mayco Plastics with my concerns that I may be a co-inventor on the patent as allowed. This resulted in a phone conference between Mr. Decker, Ms. Denise Glassmeyer of the firm of Young & Basile, patent attorneys for Mayco Plastics, and me.

11. Based upon that conference and further review, I believe I am a co-inventor in the above-identified matter and seek to be so designated.

12. I, the person who is being added as an inventor by the petition being submitted to correct the inventorship of this patent, do hereby declare that the inventorship error in failing to include my name as an inventor on this patent occurred without any deceptive intention on my part.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under §1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.


James H. Zweng

Dated:

8-1-04